

ABBOTT LABORATORIES

Accel[®]

Plant Growth Regulator

Material Safety Data Sheet

Abbott Laboratories
Chemical & Agricultural Products Division
North Chicago, IL 60064
Emergency Telephone: 1-800-323-9597
Chemtrec: 1-800-424-9300

Issue Date:	10/18/95
List/Code:	11780/11780
DOT Classification:	Not Regulated
EPA Registration No.:	275-92
Emergency Overview:	This material is a combustible liquid and may cause eye irritation.
NFPA:	Health - 2; Fire - 2; Reactivity - 0

COMPOSITION / INGREDIENTS

Ingredient Name:	6-Benzyladenine*	Gibberellins A ₄ + A ₇ *	Inert Ingrid.*
% Concentration:	1.8%	0.2000%	98.0000%
CAS/RTECS Numbers:	1214-39-7/AU6252200	468-44-0, 510-75-8/LY8990000	N/D N/L
OSHA-PEL 8HR TWA:	N/L	N/L	N/L
STEL:	N/L	N/L	N/L
Ceiling:	N/L	N/L	N/L
ACGIH-TLV 8HR TWA:	N/L	N/L	N/L
STEL:	N/L	N/L	N/L
Ceiling:	N/L	N/L	N/L
OTHER 8HR TWA:	N/A	N/A	2 ppm (AIHA WEEL)
LIMITS STEL:	N/A	N/A	N/A
Ceiling:	N/A	N/A	N/A

*Hazardous per OSHA criteria.

HEALTH CONSIDERATIONS

Route(s) of Entry:	Skin: No Inhalation: N/D Ingestion: No
Carcinogenicity Rating:	NTP: N/L IARC: N/L OSHA: N/L ACGIH: N/L None
Signs and Symptoms:	N/D. May cause eye, skin or respiratory tract irritation headache, nausea, and drowsiness may result from excessive exposure to high vapor concentrations.
Medical Conditions Aggravated by Exposure:	N/D. Pre-existing eye lesions, skin, and respiratory disease. Hypersensitivity to gibberellins.
Oral Toxicity:	LD50 = 4.6 ml/kg (about 4,900 mg/kg) in rats.
Dermal Toxicity:	LD50 = 2.7 ml/kg (about 2,900 mg/kg) in rabbits
Inhalation Toxicity:	N/D. LC50>5.17 mg/ltr-h in rats.
Corrosiveness:	No
Dermal Irritation:	Not irritating in a skin irritation test in rabbits.
Ocular Irritation:	Moderately to severely irritating in an eye irritation test in rabbits; reversible in about 4 days.
Dermal Sensitization:	N/D. One component of this mixture produced a weak sensitization response in guinea pigs.
Target Organs:	Eyes, possibly respiratory system, central nervous system, skin, and reproductive system.
Special Target Organ Effects:	N/D. Gibberellins A ₄ and A ₇ are plant growth hormones. A similar material (gibberellic acid) has been shown to have estrogenic and androgenic activity in animals. A component of this mixture is a mild central nervous system depressant.
Carcinogenicity Information:	N/D

EMERGENCY AND FIRST AID PROCEDURE

Eyes/Skin: Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

Ingestion/

Inhalation: Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

FIRE FIGHTING PROCEDURES

Flash Point:	165° F
Lower Explosive Limit (%):	1.5
Upper Explosive Limit (%):	9.7
Autoignition Temperature:	N/D
Fire and Explosive Hazards:	Combustible liquid. Keep away from heat, sparks and flame.
Extinguishing Media:	Use "alcohol" foam, carbon dioxide or dry chemical.
Fire Fighting Instructions:	Wear protective clothing and self-contained breathing apparatus.

SAFE HANDLING, USE, STORAGE, and DISPOSAL

Handling:	N/D
Storage:	Avoid excessive storage temperatures and direct sunlight.
Special Precautions:	Wash hands and face after handling this compound.
Spill or Release Procedures:	Recover product, place into appropriate container for disposal. Avoid contact with material. Ventilate and wash spill area.
Disposal:	Dispose of product in accordance with state, local and federal regulations.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Field Application: Refer to product label.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State:	Colorless to pale yellow solution.
Odor:	N/D
Boiling Point:	178° C (for the major ingredient)
Melting/Freezing Point:	N/A
Vapor Pressure (mm Hg):	N/D
Vapor Density (Air=1):	N/D
Evaporation Rate:	N/D
Bulk Density:	N/D
Specific Gravity:	1.057
Solubility:	Miscible with water. (alcohols, acetone and benzene)
pH:	4.3 (as a 10% aqueous solution)
Viscosity:	6.4 CPS
Reactivity:	Incompatible with oxidizers.

LEGEND

N/A = Not Applicable

L = Listed

® = A registered trademark of Abbott Laboratories

N/D = Not Determined

S = Short Term

™ = A trademark of Abbott Laboratories

N/L = Not Listed

C = Ceiling

ltr = liter

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Abbott Laboratories - Quality Health Care World Wide
Agricultural Products, North Chicago, IL 60064 (800) 323-9597

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